

## APPENDIX

**Table A**

	Atomic number of element in compound							Molecular Weight	Content in the PSA	
	C	H	O	N	Na	S	K	Mw	Parts by Weight	Molar Ratio
Acrylic acid 2-ethylhexyl	11	20	2					184	92	0.5000
Butyl acrylate	7	12	2					128	5	0.0391
Acrylonitrile	3	3		1				53	2	0.0377
Acrylic Acid	3	4	2					72	1	0.0139
Sodium lauryl sulfate	12	25	4		1	1		288	3	0.0104
Potassium persulfate			8			2	2	183	0.3	0.0016
Tetrad C	20	32	4	2				364	0.3	0.0008

**Table B**

	Atomic number of element in PSA						Total
	C	O	N	Na	S	K	
Acrylic acid 2-ethylhexyl	5.5000	1.0000					
Butyl acrylate	0.2734	0.0781					
Acrylonitrile	0.1132		0.0377				
Acrylic Acid	0.0417	0.0278					
Sodium lauryl sulfate	0.1250	0.0417		0.0104	0.0104		
Potassium persulfate		0.0131			0.0033	0.0033	
Tetrad C	0.0165	0.0033	0.0016				
Atomic number of element	6.0698	1.164	0.0398	0.0104	0.0137	0.0033	7.30005
Element ratio (100% conversion)	83.14	15.94	0.54	0.14	0.19	0.05	100

Please note that H (hydrogen) is not measured by ESCA (Electron Spectroscopy for Chemical Analysis).